

Xylena thoracica* (Acadian Swordgrass Moth)*Priority 3 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Lepidoptera* (Butterflies, Skippers, And Moths)**Family:** *Noctuidae* (Noctuid Moths)**General comments:**

6 modern EOs; habitat (pitch/jack pine, bogs?) probably not limited to PPSO barrens; northern ME pine stands under-surveyed; rarely collected in East; could be common in northern ME (RW); host is blueberry, others

Species Conservation Range Maps for Acadian Swordgrass Moth:Town Map: [Xylena thoracica_Towns.pdf](#)Subwatershed Map: [Xylena thoracica_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation:** NA**State Special Concern or NMFS Species of Concern:***Xylena thoracica* is listed as a species of Special Concern in Maine.**Recent Significant Declines:** NA**Regional Endemic:** NA**High Regional Conservation Priority:** NA**High Climate Change Vulnerability:** NA**Understudied rare taxa:** NA**Historical:** NA**Culturally Significant:** NA**Habitats Assigned to Acadian Swordgrass Moth:**

Formation Name	Boreal Upland Forest	
Macrogroup Name	Boreal Upland Forest	
Habitat System Name:	Boreal Jack Pine-Black Spruce Forest	Notes: potential; where host plants (blueberry, others) present
Formation Name	Northeastern Upland Forest	
Macrogroup Name	Central Oak-Pine	
Habitat System Name:	Northeastern Interior Pine Barrens	Notes: where host plants (blueberry, others) present
Macrogroup Name	Northern Hardwood & Conifer	
Habitat System Name:	Laurentian-Acadian Pine-Hemlock-Hardwood Forest	Notes: potential; where host plants (blueberry, others) present
Habitat System Name:	Northeastern Coastal and Interior Pine-Oak Forest	Notes: where host plants (blueberry, others) present
Formation Name	Northeastern Wetland Forest	
Macrogroup Name	Northern Swamp	
Habitat System Name:	Laurentian-Acadian Alkaline Conifer-Hardwood Swamp	Notes: where host plants (blueberry, others) present
Habitat System Name:	Northern Swamp Macrogroup - Unknown Habitat System	Notes: potential; range of use of bog habitats undocumented

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No Stressors Currently Assigned to Acadian Swordgrass Moth or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to Acadian Swordgrass Moth:

No Species Specific Conservation Actions Currently Assigned to Acadian Swordgrass Moth or other Priority 3 SGCN.

Conservation Actions Associated with the Dry Barrens Lepidoptera Guild:

Conservation Action	Category: Species Management	Biological Priority: critical	Type: new
Prepare occurrence maps and pesticide spray consultation guidelines for rare Lepidoptera and distribute to strategic partners including Maine Bureau of Pesticides Control.			

Stressor(s) Addressed By This Conservation Action

Agricultural and Forestry Effluents

Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: new
Conduct a statewide review of potential high quality barrens habitat that is threatened by succession and identify strategic habitat restoration actions for implementation by key conservation partners.			

Stressor(s) Addressed By This Conservation Action

Fire and Fire Suppression

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.